

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350)		RATING D0C9	PAGE OF 1 24 PAGES
2. CONTRACT NO.		3. SOLICITATION NO. N00173-01-R-DL02		4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 5 Oct 01
7. ISSUED BY CONTRACTING OFFICER NAVAL RESEARCH LABORATORY ATTN: CODE 3220.DL WASHINGTON DC 20375-5326		8. ADDRESS OFFER TO (If other than Item 7)		6. REQUISITION/PURCHASE NO.	

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 3 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in Building 222, Room 115 until 4:00 local time 5 Nov 01
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-10. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME Dian Lockamy	B. TELEPHONE NO. (Include area code) (NO COLLECT CALLS) (202) 767-3782
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52-232-8)		10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:		AMENDMENT NO.	DATE	AMENDMENT NO.	DATE
15A. NAME AND ADDRESS OF OFFEROR		CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
15B. TELEPHONE NO. (Include area code)		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE	18. OFFER DATE

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED		20. AMOUNT		21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)		ITEM	
24. ADMINISTERED BY (If other than Item 7)		25. PAYMENT WILL BE MADE BY		CODE	
26. NAME OF CONTRACTING OFFICER (Type or print)		27. UNITED STATES OF AMERICA (Signature of Contracting Officer)		28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

PART I - THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS

B-1 SUPPLIES/SERVICES AND COSTS

ITEM NUMBER	SUPPLIES/SERVICES	ESTIMATED COST	FIXED FEE	ESTIMATED COST PLUS FIXED FEE
Basic Contract				
0001	The Contractor shall provide engineering and technical support for Electronic Warfare Support Systems in accordance with Section C	\$	\$	\$
0002	Data in accordance with Exhibit A (DD 1423)	* NSP	* NSP	* NSP
TOTAL EST. COST PLUS FIXED FEE		\$	\$	\$

TOTAL EST. COST PLUS FIXED FEE

NOTICE TO OFFERORS: In addition to inserting the estimated cost and fixed fee for the base year above, the estimated cost and fixed fee for each optional extension of the term of the contract are to be inserted in Section H.

**Not Separately Priced*

SECTION C
DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

C-1 STATEMENT OF WORK

The work and services to be performed hereunder shall be subject to the requirements and standards contained in Attachment (1), Statement of Work, with Exhibit A, Contract Data Requirements List, and all other Attachments cited in Section J, which are incorporated by reference into Section C.

C-2 REQUIREMENTS FOR ON-SITE CONTRACTORS

For those portions of the work under this contract performed at any NRL site, the contractor shall comply with the Requirements for On-Site Contractors dated 8 December 2000 which are hereby incorporated by reference. The full text is available at <http://heron.nrl.navy.mil/contracts/home.htm>.

C-3 SUBCONTRACTING PLAN

Subcontracting Plan dated is hereby incorporated by reference and made a material part of this contract.

*(*this provision will be included and completed at time of award, if applicable)*

SECTION D PACKAGING AND MARKING

D-1 PACKAGING AND MARKING

Preservation, packaging, packing and marking of all deliverable contract line items must conform to normal commercial packing standards to assure safe delivery at destination.

SECTION E INSPECTION AND ACCEPTANCE

E-1 INSPECTION AND ACCEPTANCE CLAUSES INCORPORATED BY REFERENCE

FAR CLAUSE TITLE

52.246-8	-	Inspection Of Research And Development - Cost Reimbursement (MAR 2001)
52.246-9	-	Inspection Of Research And Development (Short Form) (APR 1984)

DFARS CLAUSE TITLE

252.246-7000	-	Material Inspection And Receiving Report (DEC 1991)
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E-2 INSPECTION AND ACCEPTANCE

Inspection and acceptance of the final delivery will be accomplished by the Technical Manager (TM) or Contracting Officer Representative (COR) designated in Section G of this contract. Inspection and acceptance will be performed at the Naval Research Laboratory, Washington DC 20375-5320.

SECTION F DELIVERIES OR PERFORMANCE

F-1 DELIVERIES OR PERFORMANCE CLAUSES INCORPORATED BY REFERENCE:

FAR CLAUSE TITLE

52.242-15	-	Stop-Work Order (AUG 1989) - Alternate I (APR 1984)
52.247-34	-	F.O.B. Destination (NOV 1991)

F-2 PERIOD AND PLACE OF PERFORMANCE

- (a) The term of this contract is from date of contract award through 12 months thereafter, with four (4) options that will extend the period of performance for an additional 12 months each, if exercised.
- (b) The principal place of performance of this contract shall be at the Naval Research Laboratory, Washington DC.

SECTION G
CONTRACT ADMINISTRATION DATA

G-1 PROCURING OFFICE REPRESENTATIVE

In order to expedite administration of the contract, the Administrative Contracting Officer (ACO) will direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Contract Matters- *

Security Matters- *

Safety Matters- *

Patent Matters- *

Release of Data- *

The ACO will forward invention disclosures and reports directly to the Associate Counsel for Patents, Code 1008.2, Naval Research Laboratory, Washington DC 20375-5320. The Associate Counsel for Patents will return the reports along with a recommendation to the Administrative Contracting Officer. The Associate Counsel for Patents will represent the Contracting Officer with regard to invention reporting matters arising under this contract.

*(* To be completed at time of award)*

In order to expedite administration of the contract, the Administrative Contracting Officer (ACO) will direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

G-2 CONTRACTING OFFICER'S REPRESENTATIVE (COR) - FUNCTIONS AND LIMITATIONS

* is hereby designated the cognizant COR who will represent the Contracting Officer in the administration of technical details within the scope of this contract and inspection and acceptance. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or change the specifications in the contract. If, as a result of technical discussions, it is desirable to alter contract obligations or statements of work, a modification must be issued in writing and signed by the Contracting Officer. The COR is responsible for reviewing the bills and charges submitted by the Contractor and informing the ACO of areas where exceptions are to be taken.

*(* To be completed at time of award)*

G-3 TECHNICAL DIRECTION MEMORANDUM (TDM)

(a) For the purposes of this clause, technical direction includes the following:

- (1) Direction to the Contractor which shifts work emphasis between work areas or tasks, requires pursuit of certain lines of inquiry, fills in details or otherwise describes work which will accomplish the objectives described in the statement of work;
 - (2) Guidelines to the Contractor which assist in interpretation of drawings, specifications or technical portions of work description.
- (b) Technical instructions must be within the scope of work stated in the contract. Technical instructions may not be used to:
- (1) Assign additional work under the contract;
 - (2) Direct a change as defined in the contract clause entitled "Changes";
 - (3) Increase or decrease the estimated contract cost, the fixed fee, or the time required for contract performance; or
 - (4) Change any of the terms, conditions or specifications of the contract
- (c) The TDM shall be written by the Contracting Officer's Representative (COR), with the original given to the Contractor and a copy retained in the CORs file. Technical direction may be issued orally only in emergency situations. If technical direction is issued orally, a TDM must follow within two (2) working days from the date of the oral direction. Amendments, corrections, or changes to TDMs shall also be in written format and shall include all the information set forth in paragraph (e) below.
- (d) A TDM shall be considered issued when the Government deposits it in the mail, or if transmitted by other means, when it is physically delivered to the contractor.
- (e) TDMs shall include, but not be limited to, the following information:
- (1) Date of TDM,
 - (2) Contract Number,
 - (3) Reference to the relevant portion or item in the Statement of Work,
 - (4) The specific technical direction or clarification, and
 - (5) The signature of the COR.
- (f) CORs shall retain all files containing TDMs for a period of two (2) years after the final contract completion date.
- (g) The only individual authorized in any way to amend or modify any of the terms of this contract shall be the Contracting Officer. When, in the opinion of the Contractor, any technical direction calls for effort outside the scope of the contract or inconsistent with this special provision, the Contractor shall notify the Contracting Officer in writing within ten (10) working days after its receipt.

G-4 SUBCONTRACTORS/CONSULTANTS

- (a) Advance notification or requests for consent pursuant to the contract clause entitled "Subcontracts" (FAR 52.244-2) shall be directed to the cognizant administrative contracting officer (ACO).
- (b) The following subcontractors/consultants have been identified in the Contractor's proposal as necessary for performance of this contract:

Subcontractor/Consultant Name

Estimated Cost

(Paragraph (b) will be included and filled in at time of award if subcontractor/consultants are proposed by the successful offeror)

G-5 NAPS 5252.232-9001 - SUBMISSION OF INVOICES (COST-REIMBURSEMENT, TIME-AND-MATERIALS, LABOR-HOUR, OR FIXED PRICE INCENTIVE (JUL 1992)

(a) "Invoice" as used in this clause includes contractor requests for interim payments using public vouchers (SF 1034) but does not include contractor requests for progress payments under fixed price incentive contracts.

(b) The Contractor shall submit invoices and any necessary supporting documentation, in an original and 4 copies, to the contract auditor at the following address:

(To be completed at time of award)

unless delivery orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order. In addition, an information copy shall be submitted to [See Section G for designated COR]. Following verification, the contract auditor will forward the invoice to the designated payment office for payment in the amount determined to be owing, in accordance with the applicable payment (and fee) clause(s) of this contract.

(c) Invoices requesting interim payments shall be submitted no more than once every two weeks, unless another time period is specified in the Payments clause of this contract. For indefinite delivery type contracts, interim payment invoices shall be submitted no more than once every two weeks for each delivery orders. There shall be a lapse of no more than 30 calendar days between performance and submission of an interim payment invoice.

(d) In addition to the information identified in the Prompt Payment clause herein, each invoice shall contain the following information, as applicable:

- (1) Contract line item number (CLIN)
- (2) Subline item number (SLIN)
- (3) Accounting Classification Reference Number(ACRN)
- (4) Payment terms
- (5) Procuring activity
- (6) Date supplies provided or services performed
- (7) Costs incurred and allowable under the contract
- (8) Vessel (e.g., ship, submarine or other craft) or system for which supply/service is provided

(e) A DD Form 250, "Material Inspection and Receiving Report",

- ☐ is required with each invoice submittal.
☒ is required only with the final invoice.
☐ is not required.

(f) A Certificate of Performance

- ☐ shall be provided with each invoice submittal.
☒ is not required.

(g) The Contractor's final invoice shall be identified as such, and shall list all other invoices (if any) previously tendered under this contract.

(h) Cost of performance shall be segregated, accumulated and invoiced to the appropriate ACRN categories to the extent possible. When such segregation of costs by ACRN is not possible for invoices submitted with CLIN/SLINS with more than one ACRN, an allocation ratio shall be established in the same ratio as the obligations cited in the accounting data so that costs are allocated on a proportional basis.

G-6 INCREMENTAL FUNDING

Pursuant to the Limitation of Funds clause (FAR 52.232-22), the total amount allotted to this contract is \$* and it is estimated that this amount is sufficient for contract performance through *.

*(*this provision will be included and completed at time of award, if applicable)*

G-7 INFORMATIONAL SUBLINE ITEMS

It is anticipated that the research and development services performed under this contract will be paid for from multiple sources of funds. Informational subline items will be established as necessary to identify each accounting citation classification.

G-8 PAYMENT INSTRUCTIONS FOR MULTIPLE ACCOUNTING CLASSIFICATION CITATIONS (COST-REIMBURSEMENT)

The purpose of these instructions is to permit the paying office to charge the accounting classification citations in the contract in a manner that reflects the performance of the contract. These instructions do not create any obligation on the part of the Government or the contractor nor do they in any way alter any obligation created by any other provision of the contract. Invoices should be paid from available ACRNs in the following order:

- (a) ACRNs cited on the contractor's invoice.
- (b) On a proportional basis from any ACRNs assigned to funds which will cancel at the end of the current fiscal year.
- (c) The ACRN assigned to the following line of accounting:
97X4930.NH4A 000 77777 0 000173 2F 000000 N00173Z45000.
- (d) If funds appropriated in more than one fiscal year are allotted to the contract, the ACRN assigned to the oldest allotment of funds.
- (e) On a proportional basis from all ACRNs assigned to allotments of funds appropriated in a single fiscal year.

**SECTION H
SPECIAL CONTRACT REQUIREMENTS****H-1 TYPE OF CONTRACT**

This is a *

*(*To be completed at time of award)*

H-2 ONR 5252.237-9705 - KEY PERSONNEL (DEC 88)

- (a) The Contractor agrees to assign to the contract tasks those persons whose resumes were submitted with its proposal and who are necessary to fulfill the requirements of the contract as "key personnel". No substitutions may be made except in accordance with this clause.
- (b) The Contractor understands that during the first ninety (90) days of the contract performance period, no personnel substitutions will be permitted unless these substitutions are unavoidable because of the incumbent's sudden illness, death or termination of employment. In any of these events, the Contractor shall promptly notify the Contracting Officer and provide the information

described in paragraph (c) below. After the initial ninety (90) day period the Contractor must submit to the Contracting Officer all proposed substitutions, in writing, at least fifteen (15) days in advance (thirty (30) days if security clearance must be obtained) of any proposed substitution and provide the information required by paragraph (c) below.

(c) Any request for substitution must include a detailed explanation of the circumstances necessitating the proposed substitution, a resume for the proposed substitute, and any other information requested by the Contracting Officer. Any proposed substitute must have qualifications equal to or superior to the qualifications of the incumbent. The Contracting Officer or his/her authorized representative will evaluate such requests and promptly notify the Contractor of his/her approval or disapproval thereof.

(d) In the event that any of the identified key personnel cease to perform under the contract and the substitute is disapproved, the contract may be immediately terminated in accordance with the Termination clause of the contract.

The following are identified as key personnel: *

Senior Electronic Engineer I
Senior Electronic Engineer II
Senior Aerospace Engineer
Senior computer Scientist/Engineer
IT Professional/Computer Programmer

*(*To be completed at time of award)*

H-3 ONR 5252.216-9706 - LEVEL OF EFFORT (DEC 88)

(a) The Contractor agrees to provide the total level of effort specified in the next sentence in performance of the work described in this contract. The total level of effort for performance of this contract shall be 56,560 total hours of direct labor for the basic award, and 56,560 total hours for each option period, if exercised, including subcontractor direct labor for those subcontractors specifically identified in the Contractor's proposal as having hours included in the proposed level of effort. A breakdown of labor categories and hours is set forth in paragraph (k) below.

(b) The level of effort for this contract shall be expended at an average rate of 4,713 hours per month. It is understood and agreed that the rate of hours per month may fluctuate in pursuit of the technical objective, provided such fluctuation does not result in the use of the total hours of effort prior to the expiration of the term of the contract.

(c) The Contractor is required to notify the Contracting Officer when any of the following situations occur, or are anticipated to occur: If during any three consecutive months the monthly average is exceeded by 25% or, if at any time it is forecast that during the last three months of the contract less than 50% of the monthly average will be used during any given month; or, when 85% of the total level of effort has been expended.

(d) If, during the term of the contract, the Contractor finds it necessary to accelerate the expenditure of direct labor to such an extent that the total hours of effort specified would be used prior to the expiration of the term, the Contractor shall notify the Contracting Officer in writing, setting forth the acceleration required, the probable benefits which would result, and an offer to undertake the acceleration at no increase in the estimated cost or fixed fee together with an offer setting forth a proposed level of effort, cost breakdown, and proposed fixed fee for continuation of the work until expiration of the term hereof. The offer shall provide that the work proposed will be subject to the terms and conditions of this contract and any additions or changes required by then current law,

regulations, or directives, and that the offer, with a written notice of acceptance by the Contracting Officer, shall constitute a binding contract. The Contractor shall not accelerate any effort until receipt of such written approval by the Contracting Officer. Any agreement to accelerate will be formalized by contract modification.

(e) The Contracting Officer may, by written order, direct the Contractor to accelerate the expenditure of direct labor such that the total hours of effort specified in paragraph (a) above would be used prior to the expiration of the term. This order shall specify the acceleration required and the resulting revised term. The Contractor shall acknowledge this order within five days of receipt.

(f) If the total level of effort specified in paragraph (a) above is not provided by the Contractor during the term of this contract, the Contracting Officer shall either (i) reduce the fixed fee of this contract as follows:

$$\text{Fee Reduction} = \text{Fixed Fee} \times \frac{(\text{Required LOE Hours} - \text{Expended LOE Hours})}{\text{Required LOE Hours}}$$

or (ii) subject to the provisions of the clause of this contract entitled "Limitation of Cost," require the Contractor to continue to perform the work until the total number of hours of direct labor specified in paragraph (a) shall have been expended, at no increase in the fixed fee of this contract.

(g) In the event the government fails to fully fund the contract in a timely manner, the term of the contract may be extended accordingly with no change to cost or fee. If the government fails to fully fund the contract, the fee will be adjusted in direct proportion to that effort which was performed.

(h) Notwithstanding any of the provisions in the above paragraphs, the Contractor may furnish hours up to five percent in excess of the total hours specified in paragraph (a) above, provided that the additional effort is furnished within the term hereof, and provided further that no increase in the estimated cost or fixed fee is required, and no adjustment in the fixed fee shall be made provided that the Contractor has delivered at least 95% of the level of effort required in paragraph (a) above.

(i) It is understood that the mix of labor categories provided by the Contractor under the contract, as well as the distribution of effort among those categories, may vary considerably from the initial mix and distribution of effort which was estimated by the government or proposed by the Contractor.

(j) Nothing herein shall be construed to alter or waive any of the rights or obligations of either party pursuant to the Clause entitled "Limitation of Costs" or "Limitation of Funds," either of which clauses as incorporated herein applies to this contract.

(k) The anticipated breakdown by labor category of the total level of effort is as follows:

Labor Category	Base Year	Option I	Option II	Option III	Option IV
Senior Electronic Engineer I	1,920	1,920	1,920	1,920	1,920
Senior Electronic Engineer I	1,920	1,920	1,920	1,920	1,920
Electronic Engineer	3,840	3,840	3,840	3,840	3,840
Senior Aerospace Engineer	1,920	1,920	1,920	1,920	1,920
Aerospace Engineer I	3,840	3,840	3,840	3,840	3,840
Aerospace Engineer II	1,920	1,920	1,920	1,920	1,920
Mechanical Engineer	1,920	1,920	1,920	1,920	1,920
Military Systems Analyst	3,840	3,840	3,840	3,840	3,840
Program Management Specialist	3,840	3,840	3,840	3,840	3,840
Systems Engineer/Analyst	3,840	3,840	3,840	3,840	3,840
Computer/Network					

Specialist	3,840	3,840	3,840	3,840	3,840
Senior Computer Scientist/Engineer	1,920	1,920	1,920	1,920	1,920
Computer Scientist/Engineer	5,760	5,760	5,760	5,760	5,760
Electronic Technician	7,680	7,680	7,680	7,680	7,680
Project Technician	7,680	7,680	7,680	7,680	7,680
Aerospace Engineering Technician	1,920	1,920	1,920	1,920	1,920
IT Professional/Computer Programmer	1,920	1,920	1,920	1,920	1,920
Supersonic Aircraft with Crew	10	10	10	10	10
Subsonic Aircraft with Crew	30	30	30	30	30
Total	56,560	56,560	56,560	56,560	56,560

H-4 ONR 5252.235-9714 - REPORT PREPARATION (FEB 97)

Scientific or technical reports prepared by the Contractor and deliverable under the terms of this contract will be prepared in accordance with format requirements contained in ANSI/NISO Z39.18-1995, "Scientific and Technical Reports: Elements, Organization, and Design. "[NOTE: ANSI Z39.18 may be obtained from NISO Press Fulfillment Center, P. O. Box 338, Oxon Hill, MD. 20750-0338. Telephone 1-800-282-6476]

H-5 ELECTRONIC AND INFORMATION TECHNOLOGY (EIT)

In accordance with Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d), all EIT supplies and services provided under this contract must comply with the applicable accessibility standards issued by the Architectural and Transportation Barriers Compliance Board at 36 CFR part 1194 (see FAR Subpart 39.2). Electronic and information technology (EIT) is defined at FAR 2.101.

H-6 OPTIONS TO EXTEND THE TERM OF THE CONTRACT

This contract shall be renewable at the unilateral option of the Government by the Contracting Officer giving written notice of renewal to the Contractor within the existing term of the contract. The Government may exercise its option to renew the contract a total of four (4) times and each such renewal shall extend the term of the contract by twelve (12) months. It is agreed that performance under said renewals shall be accomplished at the following estimated cost and fixed fee:

First Option

Estimated Cost: \$ _____

Fixed Fee: \$ _____

Estimated Cost Plus Fixed Fee: \$ _____

Second Option

Estimated Cost: \$ _____

Fixed Fee: \$ _____

Estimated Cost Plus Fixed Fee: \$ _____

Third Option

Estimated Cost: \$ _____

Fixed Fee: \$ _____

Estimated Cost Plus Fixed Fee: \$ _____

Fourth Option

Estimated Cost: \$ _____

Fixed Fee: \$ _____

Estimated Cost Plus Fixed Fee: \$ _____

H-7 ON-SITE USE OF GOVERNMENT PROPERTY

Government facilities and equipment specified or approved for use in the performance of any portion of the contract at the U.S. Naval Research Laboratory (NRL) or any of its field sites may be used by the contractor's personnel on a rent free basis. All such property shall be considered to remain in the possession and control of the NRL for property responsibility and accountability purposes.

H-8 YEAR 2000 COMPLIANT INFORMATION TECHNOLOGY

This requirement applies to information technology (IT) that processes date-related information. All such IT delivered under this contract shall be Year 2000 compliant as defined at FAR 39.002.

H-9 REPRESENTATIONS AND CERTIFICATIONS

The Contractor's completed Representations, Certifications, and Other Statements of Offerors or Respondents is incorporated herein by reference in any resultant award.

**PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES**

I-1 52.252-2 - CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

a. FEDERAL ACQUISITION REGULATION CLAUSES

FAR CLAUSE	TITLE
52.202-1	- Definitions (MAR 2001)
52.203-3	- Gratuities (APR 1984)
52.203-5	- Covenant Against Contingent Fees (APR 1984)
52.203-6	- Restrictions On Subcontractor Sales To The Government (JUL 1995)
52.203-7	- Anti-Kickback Procedures (JUL 1995)
52.203-8	- Cancellation, Rescission, And Recovery Of Funds For Illegal Or Improper Activity (JAN 1997)
52.203-10	- Price Or Fee Adjustment For Illegal Or Improper Activity (JAN 1997)
52.203-12	- Limitation On Payments To Influence Certain Federal Transactions (JUN 1997)
52.204-2	- Security Requirements (AUG 1996)
52.204-4	- Printed Or Copied Double-Sided On Recycled Paper (AUG 2000)
52.209-6	- Protecting The Government's Interest When Subcontracting With Contractors Debarred, Suspended, Or Proposed For Debarment (JUL 1995)
52.211-15	- Defense Priority And Allocation Requirements (SEP 1990)
52.215-2	- Audit And Records-Negotiation (JUNE 1999)
52.215-8	- Order Of Precedence - Uniform Contract Format (OCT 1997)
52.215-11	- Price Reduction For Defective Cost Or Pricing Data - Modifications (OCT 1997)
52.215-13	- Subcontractor Cost Or Pricing Data Modifications (OCT 1997)
52.215-14	- Integrity Of Unit Prices (OCT 1997)
52.215-15	- Pension Adjustments And Asset Reversions (DEC 1998)
52.215-17	- Waiver Of Facilities Capital Cost Of Money (OCT 1997) (<i>will be included if the successful offeror does not propose facilities capital cost of money</i>)
52.215-18	- Reversion Or Adjustment Of Plans For Post-Retirement Benefits (PRB) Other Than Pensions (OCT 1997)
52.215-19	- Notification Of Ownership Changes (OCT 1997)
52.215-21	- Requirements For Cost And Pricing Data Or Information Other Than Cost Or Pricing Data - Modifications (OCT 1997)
52.219-4	- Notice Of Price Evaluation Preference For HUBZone Small Business Concerns (JAN 1999) <input type="checkbox"/> Offeror elects to waive the evaluation preference.
52.216-7	- Allowable Cost And Payment (MAR 2000) (<i>If the contract is with an educational institution, modify the clause by deleting from paragraph (a) "Subpart 31.2" and substitute "Subpart 31.3". If the contract is with a state or local government, delete from paragraph (a) "Subpart 31.2" and substitute "Subpart 31.6". If the contract is with a nonprofit other than an educational institution, a state or local government, or a nonprofit organization exempted under OMB Circular A-122, modify the clause by deleting from paragraph (a) "Subpart 31.2" and substituting "Subpart 31.7".</i>)
52.216-8	- Fixed-Fee (MAR 1997)
52.219-8	- Utilization Of Small Business Concerns (OCT 2000)
52.219-9	- Small Business Subcontracting Plan (OCT 2000) - Alternate II (JAN 1999)

- 52.219-16 - Liquidated Damages-Subcontracting Plan (JAN 1999)
- 52.219-25 - Small Disadvantaged Business Participation Program-Disadvantaged Status And Reporting (OCT 1999)
- 52.222-1 - Notice To The Government Of Labor Disputes (FEB 1997)
- 52.222-2 - Payment For Overtime Premiums (JUL 1990) -The Use Of Overtime Is Authorized Under This Contract If The Overtime Premium Does Not Exceed "0"
- 52.222-3 - Convict Labor (AUG 1996)
- 52.222-21 - Prohibition of Segregated Facilities (FEB 1999)
- 52.222-26 - Equal Opportunity (FEB 1999)
- 52.222-35 - Affirmative Action For Disabled Veterans And Veterans Of The Vietnam Era (APR 1998)
- 52.222-36 - Affirmative Action For Workers With Disabilities (JUN 1998)
- 52.222-37 - Employment Reports On Disabled Veterans And Veterans Of The Vietnam Era (APR 1998)
- 52.223-3 - Hazardous Material Identification And Material Safety Data (JAN 1997)
- 52.223-5 - Pollution Prevention And Right-To-Know Information (APR 1998)
- 52.223-6 - Drug-Free Workplace (MAR 2001)
- 52.223-10 - Waste Reduction Program (AUG 2000)
- 52.223-14 - Toxic Chemical Release Reporting (OCT 2000)
- 52.225-13 - Restrictions On Certain Foreign Purchases (JUL 2000)
- 52.226-1 - Utilization Of Indian Organizations And Indian-Owned Economic Enterprises (JUN 2000)
- 52.227-1 - Authorization And Consent (JUL 1995)- Alternate I (APR 1984)
- 52.227-2 - Notice And Assistance Regarding Patent And Copyright Infringement (AUG 1996)
- 52.227-11 - Patent Rights - Retention By The Contractor (Short Form) (JUN 1997)
(will be included if the successful offeror is a small business or a non-profit organization)
- 52.227-12 - Patent Rights - Retention By The Contractor (Long Form) (JAN 1997)
(will be included if the successful offeror is not a small business or a non-profit organization)
- 52.228-7 - Insurance - Liability To Third Persons (MAR 1996)
- 52.230-2 - Cost Accounting Standards (APR 1998)
- 52.230-3 - Disclosure And Consistency Of Cost Accounting Practices (APR 1998)
- 52.230-6 - Administration Of Cost Accounting Standards (NOV 1999)
- 52.232-17 - Interest (JUN 1996)
- 52.232-18 - Availability Of Funds (APR 1984)
- 52.232-20 - Limitation Of Cost (APR 1984) *(Applicable when the contract or task order is fully funded)*
- 52.232-22 - Limitation Of Funds (APR 1984) *(Applicable when the contract or task order is not fully funded)*
- 52.232-23 - Assignment Of Claims (JAN 1986) Alternate I (APR 1984)
- 52.232-25 - Prompt Payment (MAR 2001)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (MAY 1999)
- 52.233-1 - Disputes (DEC 1998)
- 52.233-3 - Protest After Award (AUG 1996) - Alternate I (JUN 1985)
- 52.237-2 - Protection Of Government Buildings, Equipment And Vegetation (APR 1984)
- 52.237-10 - Identification of Uncompensated Overtime (OCT 1997)
- 52.242-1 - Notice Of Intent To Disallow Costs (APR 1984)

- 52.242-3 - Penalties For Unallowable Costs (MAR 2001)
- 52.242-4 - Certification of Final Indirect Costs (JAN 1997)
- 52.242-13 - Bankruptcy (JUL 1995)
- 52.243-2 - Changes - Cost-Reimbursement (AUG 1987) Alternate V (APR 1984)
- 52.243-7 - Notification Of Changes (APR 1984) fill in 30
- 52.244-2 - Subcontracts (AUG 1998) - Alternate I (AUG 1998)
- 52.244-5 - Competition In Subcontracting (DEC 1996)
- 52.244-6 - Subcontracts For Commercial Items And Commercial Components (OCT 1998)
- 52.245-5 - Government Property (Cost-Reimbursement, Time-And-Material, Or Labor-Hour Contracts) (JAN 1986) (DEVIATION)
- 52.246-23 - Limitation Of Liability (FEB 1997)
- 52.246-25 - Limitation Of Liability - Services (FEB 1997)
- 52.247-1 - Commercial Bill Of Lading Notations (APR 1984)
- 52.247-63 - Preference For U. S. Flag Carriers (JAN 1997)
- 52.249-6 - Termination (Cost-Reimbursement) (SEP 1996)
- 52.249-14 - Excusable Delays (APR 1984)
- 52.251-1 - Government Supply Sources (APR 1984)
- 52.252-6 - Authorized Deviations in Clauses (APR 1984)(fill in Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2))
- 52.253-1 - Computer Generated Forms (JAN 1991)

b. DEPARTMENT OF DEFENSE FEDERAL ACQUISITION REGULATION CLAUSES

DFARS CLAUSE TITLE

- 252.201-7000 - Contracting Officer's Representative (DEC 1991)
- 252.203-7001 - Prohibition On Persons Convicted Of Fraud Or Other Defense Contract Related Felonies (MAR 1999)
- 252.203-7002 - Display Of DoD Hotline Poster (DEC 1991)
- 252.204-7000 - Disclosure Of Information (DEC 1991)
- 252.204-7003 - Control Of Government Personnel Work Product (APR 1992)
- 252.204-7004 - Required Central Contractor Registration (MAR 2000)
- 252.204-7005 - Oral Attestation Of Security Responsibilities (AUG 1999)
- 252.205-7000 - Provision Of Information To Cooperative Agreement Holders (DEC 1991)
- 252.209-7000 - Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate-Range Nuclear Forces (INF) Treaty (NOV 1995)
- 252.209-7004 - Subcontracting With Firms That Are Owned Or Controlled By The Government Of A Terrorist Country (MAR 1998)
- 252.209-7005 - Reserve Officer Training Corps and Military Recruiting On Campus (JAN 2000)
- 252.215-7000 - Pricing Adjustments (DEC 1991)
- 252.215-7002 - Cost Estimating System Requirements (OCT 1998)
- 252.219-7003 - Small Business And Small Disadvantaged Business Subcontracting Plan (DoD Contracts) (APR 1996)
- 252.219-7003 - Small Business And Small Disadvantaged Business Subcontracting Plan (DoD Contracts) (APR 1996)
- 252.223-7001 - Hazard Warning Labels (DEC 1991)
- 252.223-7004 - Drug-Free Work Force (SEP 1988)
- 252.223-7006 - Prohibition On Storage And Disposal Of Toxic And Hazardous Materials (APR 1993)

- 252.225-7001 - Buy American Act And Balance Of Payments Program (MAR 1998)
- 252.225-7002 - Qualifying Country Sources As Subcontractors (DEC 1991)
- 252.225-7007 - Buy American Act--Trade Agreements--Balance Of Payments Program (SEP 2001)
- 252.225-7012 - Preference For Certain Domestic Commodities (AUG 2000)
- 252.225-7016 - Restriction On Acquisition Of Ball And Roller Bearings (DEC 2000)
- 252.225-7021 - Trade Agreements (SEP 2001)
- 252.225-7025 - Restriction On Acquisition Of Forgings (JUN 1997)
- 252.225-7026 - Reporting Of Contract Performance Outside The United States (JUN 2000)
- 252.225-7031 - Secondary Arab Boycott Of Israel (JUN 1992)
- 252.225-7043 - Antiterrorism/Force Protection Policy For Defense Contractors Outside The United States (JUN 1998) (fill in : Naval Criminal Investigative Service (NCIS), Code 24, telephone, DSN 228-9113 or commercial (202)433-9113)
- 252.227-7000 - Non Estoppel (OCT 1966)
- 252.227-7001 - Release Of Past Infringement (AUG 1984)
- 252.227-7013 - Rights In Technical Data -- Noncommercial Items (NOV 1995) - Alternate I (JUN 1995)
- 252.227-7014 - Rights In Noncommercial Computer Software And Noncommercial Computer Software Documentation (JUN 1995) - Alternate I (JUN 1995)
- 252.227-7016 - Rights In Bid Or Proposal Information (JUN 1995)
- 252.227-7018 - Rights In Noncommercial Technical Data And Computer Software--Small Business Innovative Research (SBIR) Program (JUN 1995) - Alternate I (JUN 1995)
- 252.227-7019 - Validation Of Asserted Restrictions--Computer Software (JUN 1995)
- 252.227-7025 - Limitations On The Use Or Disclosure Of Government-Furnished Information Marked With Restrictive Legends (JUN 1995)
- 252.227-7026 - Deferred Delivery Of Technical Data Or Computer Software (APR 1988)
- 252.227-7030 - Technical Data--Withholding Of Payment (MAR 2000)
- 252.227-7034 - Patents--Subcontracts (APR 1984)
- 252.227-7036 - Declaration Of Technical Data Conformity (JAN 1997)
- 252.227-7037 - Validation Of Restrictive Markings On Technical Data (SEP 1999)
- 252.227-7039 - Patents--Reporting Of Subject Inventions (APR 1990)
- 252.231-7000 - Supplemental Cost Principles (DEC 1991)
- 252.232-7009 - Mandatory Payment By Governmentwide Commercial Purchase Card (JUL 2000)
- 252.235-7010 - Acknowledgment Of Support And Disclaimer (MAY 1995)
- 252.235-7011 - Final Scientific Or Technical Report (SEP 1999)
- 252.242-7000 - Post Award Conference (DEC 1991)
- 252.242-7004 - Material Management And Accounting System (DEC 2000)
- 252.243-7002 - Requests For Equitable Adjustment (MAR 1998)
- 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (MAR 2000)
- 252.245-7001 - Reports Of Government Property (MAY 1994)
- 252.247-7023 - Transportation Of Supplies By Sea (MAR 2000)
- 252.247-7024 - Notification Of Transportation Of Supplies By Sea (MAR 2000)
(will be included if the successful offeror made a negative response to the inquiry at DFARS 252.247-7022)
- 252.251-7000 - Ordering From Government Supply Sources (MAY 1995)

I-2 FAR 52.223-11 - OZONE-DEPLETING SUBSTANCES (MAR 2001)

(a) Definitions.

"Ozone-depleting substance", as used in this clause, means any substance designated as Class I by the Environmental Protection Agency (EPA) (40 CFR Part 82), including but not limited to chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or any substance designated as Class II by EPA (40 CFR Part 82), including but not limited to hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

"WARNING: Contains (or manufactured with, if applicable) _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere."

* The Contractor shall insert the name of the substance(s).

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS
SECTION J
LIST OF ATTACHMENTS

- J-1** Attachment (1) - Statement Of Work - 11 Pages, With Exhibit A - DD Form 1423, Contract Data Requirements List, 3 Pages.
- J-2** Attachment (2) – Personnel Qualifications, 4 Pages.
- J-3** Attachment (3) - DD Form 254, Contract Security Classification Specification, Ser: 011-01 Dated March 12, 2001, 2 Pages.
- J-4** Attachment (4) – Accounting and Appropriation Data- 1 page. *

(To be included at time of award)*

PART IV - REPRESENTATIONS AND INSTRUCTIONS
SECTION - K
REPRESENTATIONS, CERTIFICATIONS
AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS

K-1 Representations, Certifications, and Other Statements of Offerors or Respondents

Each Offeror must submit a completed Representations, Certifications, and Other Statements Of Offerors or Respondents with its proposal which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/rep&certs.htm>

K-2 FILL IN FOR FAR 52.219-1 - SMALL BUSINESS PROGRAM REPRESENTATIONS (MAR 2001)

The fill in information is as follows:

The NAICS code for this acquisition is 541330

The small business size standard is. \$4,000,000.00

SECTION L
INSTRUCTIONS CONDITIONS AND NOTICES
TO OFFERORS OR RESPONDENTS

L-1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

FAR CLAUSE	TITLE
52.204-6	- Data Universal Numbering System (DUNS) Number (JUNE 1999)
52.214-34	- Submission Of Offers In The English Language (APR 1991)
52.214-35	- Submission Of Offers In U.S. Currency (APR 1991)
52.215-1	- Instructions To Offerors- Competitive Acquisition (MAR 2001)
52.215-16	- Facilities Capital Cost Of Money (OCT 1997)
52.219-24	- Small Disadvantaged Business Participation Program - Targets (OCT 2000)
52.222-24	- Preaward On-Site Equal Opportunity Compliance Evaluation (FEB 1999)
52.252-5	- Authorized Deviations In Provisions (APR 1984)

L-2 FAR 52.211-14 - NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be a ☐ DX rated order; ☒ DO rated order certified for national use under the Defense Priorities and Allocations system (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

L-3 FAR 52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997)ALTERNATE IV (OCT 1997)

- (a) Submission of cost or pricing data is not required.
- (b) Provide information described below (SEE L-12 – VOLUME II – BUSINESS PROPOSAL)

L-4 FAR 52.216-1 - TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Cost Plus Fixed Fee Term contract resulting from this solicitation.

L-5 FAR 52.233-2 - SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the Control Desk, Code 3200, Bldg. 222, Rm. 115, Naval Research Laboratory, 4555 Overlook Ave., S.W., Washington DC 20375-5326.

- (b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L-6 DFARS 252.227-7017 - IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS (JUN 1995)

- (a) The terms used in this provision are defined in following clause or clauses contained in this solicitation--
 - (1) If a successful offeror will be required to deliver technical data, the Rights in Technical Data--Noncommercial Items clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
 - (2) If a successful offeror will not be required to deliver technical data, the Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation clause, or, if this solicitation contemplates a contract under the Small Business Innovative Research Program, the Rights in Noncommercial Technical Data and Computer Software--Small Business Innovative Research (SBIR) Program clause.
- (b) The identification and assertion requirements in this provision apply only to technical data, including computer software documents, or computer software to be delivered with other than unlimited rights. For contracts to be awarded under the Small Business Innovative Research Program, the notification requirements do not apply to technical data or computer software that

will be generated under the resulting contract. Notification and identification is not required for restrictions based solely on copyright.

- (c) Offers submitted in response to this solicitation shall identify, to the extent known at the time an offer is submitted to the Government, the technical data or computer software that the Offeror, its subcontractors or suppliers, or potential subcontractors or suppliers, assert should be furnished to the Government with restrictions on use, release, or disclosure.
- (d) The Offeror's assertions, including the assertions of its subcontractors or suppliers or potential subcontractors or suppliers shall be submitted as an attachment to its offer in the following format, dated and signed by an official authorized to contractually obligate the Offeror: Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software.

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished With Restrictions*	Basis for Assertion**	Asserted Rights Category***	Name of Person Asserting Restrictions****
(LIST)*****.	(LIST)	(LIST)	(LIST)

* For technical data (other than computer software documentation) pertaining to items, components, or processes developed at private expense, identify both the deliverable technical data and each such items, component, or process. For computer software or computer software documentation identify the software or documentation.

** Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

*** Enter asserted rights category (e.g., government purpose license rights from a prior contract, rights in SBIR data generated under another contract, limited, restricted, or government purpose rights under this or a prior contract, or specially negotiated licenses).

**** Corporation, individual, or other person, as appropriate.

***** Enter "none" when all data or software will be submitted without restrictions.

Date _____

Printed Name and Title _____

Signature _____

(End of identification and assertion)

- (e) An offeror's failure to submit, complete, or sign the notification and identification required by paragraph (d) of this provision with its offer may render the offer ineligible for award.
- (f) If the Offeror is awarded a contract, the assertions identified in paragraph (d) of this provision shall be listed in an attachment to that contract. Upon request by the Contracting Officer, the Offeror shall provide sufficient information to enable the Contracting Officer to evaluate any listed assertion.

L-7 DFARS 252.227-7028 - TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT (JUN 1995)

The Offeror shall attach to its offer an identification of all documents or other media incorporating technical data or computer software it intends to deliver under this contract with other than unlimited rights that are identical or substantially similar to documents or other media that the Offeror has produced for, delivered to, or is obligated to deliver to the Government under any contract or subcontract. The attachment shall identify - -

- (a) The contract number under which the data or software were produced;
- (b) The contract number under which, and the name and address of the organization to whom, the data or software were most recently delivered or will be delivered; and
- (c) Any limitations on the Government's rights to use or disclose the data or software, including, when applicable, identification of the earliest date the limitations expire.

L-8 GOVERNMENT-FURNISHED PROPERTY

No material, labor, or facilities will be furnished by the Government unless provided for in the solicitation.

L-9 INQUIRIES CONCERNING THE RFP

Any questions concerning the RFP must be submitted in writing to the Contracting Officer at the location noted in blocks 7 and 9 of the Standard Form 33, "Solicitation, Offer and Award," no less than fifteen (15) days before closing. The Government will not consider questions received after this date. Offerors are cautioned against directing any questions concerning this RFP to technical personnel at the Naval Research Laboratory.

L-10 INSTRUCTIONS FOR SUBMISSION AND INFORMATION REQUIRED TO EVALUATE PROPOSALS

- (1) Information for the technical/management proposal shall be placed in Volume I and be completely separate from the business proposal (Volume II).
- (2) Proposal Identification/Mailing - The proposal should be packaged for delivery so as to permit safe and timely arrival at destination. The proposal package should be sent to the address shown in Block 7 of the RFP face page and marked:

Solicitation No. N00173-01-R-DL02

Closing Date: (As specified in Block 9, RFP face page)

Attn: Code 3220.dl

(3) Proposal Format and Length - No attempt is made to restrict the proposal format and style. However, the proposal should be written and organized so as to be compatible with the RFP, the Statement of Work, company's organization and accounting structure, and proposed cost estimate. Offerors are encouraged to use recycled paper and maximize the use of double sided copying when preparing responses to solicitations.

L-11 VOLUME I – CONTRACTOR /MANAGEMENT PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 3 COPIES.

- A. PERSONNEL QUALIFICATIONS
- B. CONTRACTOR EXPERIENCE/MANAGEMENT

A. Personnel Qualifications

Provide identification and level of experience as required by the specialized personnel qualifications of the required labor categories and the program tasks of the statement of work in the following areas:

1. Electronic development program experience
2. Aerodynamic development program experience
3. Electronic warfare (EW) and information warfare (IW) program experience
4. Computer network experience

B. Contractor Experience/Management

Provide identification and level of contractor experience with the development and maintenance of military EQ/IW programs.

Provide identification and level of contractor experience in the development of military hardware and software EW/IW systems related to aircraft and ships.

L-12 VOLUME II - BUSINESS PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 3 COPIES

(1) COST PROPOSAL

The offeror shall submit a business proposal that includes a cost proposal with supporting information for each cost element consistent with offeror's cost accounting system. The supporting breakdown should include such elements as materials, direct labor, indirect cost, and other costs such as travel. The offeror shall provide exhibits as necessary to substantiate each cost element. Should rates be used in the proposal which are not DCAA approved, the offeror shall provide complete documentation and the rationale for their use at time of proposal submission. However, offerors are advised to use actual labor rates of proposed personnel as the basis for estimating labor costs when practicable.

(2) SMALL BUSINESS PARTICIPATION

(a) In addition to complying with the clause at FAR 52.219-9, Small Business Subcontracting Plan (Jan 1999) with its Alternate II, proposals must include information to permit evaluation of the extent of participation of small businesses and historical black colleges or universities and minority institutions in performance of the contract. Participation to be identified may be in the form of a joint venture, teaming arrangement, or subcontract. Small business concerns that are not required by FAR 52.219-9 to submit a subcontracting plan must indicate the extent to which proposed joint ventures, teaming arrangements, or subcontracts are with historically black colleges or universities and minority institutions. Information provided should include the extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

(b) Proposals must also include information to permit evaluation of the extent of participation of small disadvantaged business concerns in performance of the contract. See the provision at FAR 52.219-24, Small Disadvantaged Business Participation Program--Targets (Jan 1999), and the clause at 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting (Jan 1999). Any targets will be incorporated into and become part of any resulting contract. Information provided should include the extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

L-13 TRAVEL AND MATERIAL ESTIMATES AND OTHER DIRECT COSTS (FOR EVALUATION PURPOSES ONLY)

The travel and material estimates and other direct costs set forth must be included in each offeror's cost proposal for evaluation purposes only. During the term of this contract, the contractor will be reimbursed actual and allowable travel, material, and other direct expenses.

The Government estimates the travel costs for this effort to be \$75,000.00 for the basic award and \$75,000.00 per each option period, if exercised.

The Government estimates the material costs for this effort to be \$450,000.00 for the basic award and \$450,000.00 per each option period, if exercised.

These estimates are direct costs, and the offeror should add any applicable indirect costs.

**SECTION M
EVALUATION FACTORS FOR AWARD****M-1 EVALUATION**

Award will be made to that offeror whose proposal is determined to be the best value to the Government, proposed cost and other factors considered. The Government reserves the right to make award to other than the low offeror. Although technical considerations are more important than the cost factor, the closer the technical scores of the various proposals are to one another, the more important the business considerations become.

M-2 EVALUATION FACTORS FOR AWARD

Proposals will be evaluated in accordance with the following criteria. The technical factor is more important than the cost factor. Technical subfactor one is significantly more important than technical subfactor two. Technical subfactors are listed in descending order of importance. The cost factor is more important than the small business factor. The small business subfactors are of equal importance.

M-2-1. TECHNICAL/MANAGEMENT**(1) PERSONNEL QUALIFICATIONS**

The proposed personnel will be evaluated on the experience and qualifications of the proposed personnel relevant each proposed task.; and the previous experience of the key personnel including the degree to which they meet the requirements set forth in the Personnel Qualifications.

(2) CONTRACTOR EXPERIENCE/MANAGEMENT

The proposal will be evaluated on the quantity and quality of the offeror's experience relevant to each of the proposed tasks and the soundness of the offeror's management approach for accomplishing the tasks.

M-2-2 COST TO THE GOVERNMENT

Proposed estimated cost to the Government. The Government may adjust the proposed cost for purposes of evaluation based upon an evaluation of cost realism. Cost Realism means that the costs in an offeror's proposal are realistic for the work to be performed; reflect a clear understanding of the requirements; and are consistent with the various elements of the offeror's technical proposal. The cost realism evaluation includes an analysis of the adequacy of the hours, labor mix, and other direct costs to perform the work as proposed in the technical proposal as well as the proposed labor and indirect rates. It also includes evaluation of the likelihood that the risks inherent in the offeror's technical approach will result in higher actual costs than anticipated.

M-2-3 SMALL BUSINESS PARTICIPATION

(a) The extent of participation of small businesses and historically black colleges or universities and minority institutions in performance of the contract will be evaluated on the basis of the proposed extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

(b) The extent of participation of small disadvantaged business concerns in performance of the contract will be evaluated on the basis of the proposed extent of participation of such firms in terms of the value of the total acquisition and the complexity and variety of the work such firms are to perform.

M-3 FAR 52.217-5 - EVALUATION OF OPTIONS (JUL 1990)

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best

interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of options will not obligate the Government to exercise the option(s).

STATEMENT OF WORK FOR ENGINEERING AND TECHNICAL SUPPORT OF ELECTRONIC WARFARE DEVELOPMENT PROGRAMS

1.0 INTRODUCTION

The Naval Research Laboratory (NRL) is deeply involved in advancing the field of Electronic Warfare (EW) and Information Warfare (IW). This Statement of Work (SOW) establishes and describes the contractor requirements and performance in support of the Offboard Countermeasures (OCM) Branch, Tactical Electronic Warfare Division (TEWD), with emphasis on research, development, test, analysis, and program management.

Modern air and surface defense systems are a sophisticated threat to the security of U.S. forces. EW/IW encompasses the continuing requirement to pursue mission objectives in a hostile environment of current and projected threats. EW/IW supports these and other functional warfare tasks by degrading the enemy's capability to acquire and engage friendly forces. Effective EW/IW systems are required to insure the survival of U.S. forces and the successful completion of these mission objectives.

The OCM Branch has been tasked by ONR, NAVAIR, NAVSEA, and other DOD sponsors to be the Technical Program Manager for numerous developmental and management efforts related to development, installation, maintenance and operation of advanced EW/IW systems. Responsibility includes the development of program plans and milestones, and the selection of feasible candidate concepts and designs to be analyzed, evaluated, developed, fabricated, integrated, and tested.

2.0 SCOPE

The contractor shall provide specialized operational expertise along with engineering and technical support, travel and material to perform the tasks of this SOW. Task associated support shall be provided for electronic, aerodynamic, mechanical and advanced hardware and software development, along with integration and test of advanced EW and IW systems on Navy ships and aircraft. The operational aspect shall involve the analysis to define requirements and assessments needed to exploit threat situations and support EW/IW tactical decision-making. It will also involve devising effective and imaginative means for organizing, controlling, and displaying this information. The contractor shall provide support for the development, integration, and testing of advanced EW/IW concepts, systems, subsystems, techniques, and equipment. The contractor shall analyze, test and evaluate the feasibility, productibility, supportability, and effectiveness of candidate concepts and the deployment techniques. The contractor shall provide recommendations in the development and maintenance of requisite program documentation. Technical support shall include advice and assistance related to systems design, options, requirements, features, capabilities, and

strategy and their issues, consequences, interfaces, cost, schedule and performance risks, associated initial and follow-on costs, impact assessments of various options on the achievement of Navy missions, and Fleet user performance goals and objectives relating to advanced EW/IW systems.

3.0 SUPPORT FUNCTIONS, REQUIREMENTS AND TASKS.

The following sections describe the task areas associated with this contract effort. Program directions, milestones and priorities may vary over the contract period.

3.1 Electronic Design, Fabrication and Evaluation

The contractor shall provide engineering design, analysis, and evaluation in the electronic development and testing of advanced EW/IW systems. This shall include support for existing systems, as well as advanced concepts and Pre-Planned Product Improvement (P3I) efforts.

The contractor shall design, develop, fabricate, and assemble electronic brassboard hardware and conduct prototype tests to demonstrate and evaluate improved electronic performance for possible incorporation into future advanced EW/IW systems.

The contractor shall attend design and requirement reviews and critical hardware demonstrations at NRL and other DOD and contractor facilities. These reviews include P3I development, design approval, test and evaluation, aircraft or ship installation and integration. The contractor shall provide independent evaluations of the information obtained at these test efforts and design reviews.

The contractor shall analyze and evaluate advanced EW/IW test data to produce an effectiveness recommendation of the resulting electronic characteristics. The contractor shall assess and report the operational realism of the tests as related to known threat radar, missile, command, control and communications systems performance and characteristics.

The contractor shall analyze, develop and evaluate improved program documentation. The contractor shall provide advice and assistance related to systems design, options, requirements, features, capabilities, and strategy and their issues, consequences, interfaces, cost, schedule and performance risks, associated initial and follow-on costs, impact assessments of various options on the achievement of Navy missions, and Fleet user performance goals and objectives relating to advanced EW/IW systems.

The contractor shall analyze, develop and evaluate improved electronic designs and techniques relating to development of more effective EW/IW systems.

The contractor shall develop and implement computer simulations and models to evaluate the effectiveness and performance of the Advanced EW/IW systems. The contractor shall exercise these simulations and deliver the results, along with conclusions and recommendations.

The contractor shall analyze and evaluate design approaches as they are selected by the COR, and recommend alternative designs and potential hardware sources required to implement these designs.

3.2 Aerodynamic Design, Fabrication and Evaluation

The contractor shall provide engineering design, analysis, test and evaluation support in the aerodynamic development and testing of the Advanced EW/IW systems. This shall include support for the existing as well as advanced concepts and P3I efforts.

The contractor shall attend design and requirement reviews and critical hardware demonstrations. The contractor shall provide independent evaluations of the information obtained at these reviews.

The contractor shall design, develop, fabricate, and assemble prototype aerodynamic flight test support hardware and conduct flight testing of prototype hardware to evaluate improved flight performance and aerodynamic characteristics for possible incorporation into future systems.

The contractor shall analyze and evaluate test data to produce an independent evaluation of the resulting deployment and aerodynamic characteristics. The contractor shall assess and report the operational realism of the tests as related to aircraft missions and flight characteristics.

The contractor shall use his knowledge of aerodynamics to analyze and evaluate improved aerodynamic designs and deployment techniques relating to development of safe flight-worthy OCM EW/IW systems.

The contractor shall develop and implement aerodynamic computer simulations and models to evaluate Advanced EW/IW vehicle performance. The contractor shall exercise these simulations and deliver the results, along with conclusions and recommendations.

The contractor shall analyze and evaluate design approaches as they are selected by the COR, and recommend alternative designs and potential hardware sources.

3.3 Mechanical Design, Fabrication and Evaluation.

The contractor shall provide engineering design, analysis, and evaluation support in the mechanical development and testing of the Advanced EW/IW systems. This shall include support for existing systems, as well as advanced concepts and P3I efforts.

The contractor shall attend development design reviews and critical hardware demonstrations. The contractor shall provide independent evaluations of the information obtained at these reviews.

The contractor shall design, develop, fabricate, and assemble required mechanical test support hardware and conduct prototype tests to evaluate improved mechanical, stress and thermal performance for possible incorporation into future EW/IW systems.

The contractor shall analyze and evaluate test data to produce an independent evaluation of the resulting mechanical characteristics. The contractor shall assess and report the operational realism of the tests.

The contractor shall analyze and evaluate improved thermal and structural designs and techniques relating to development of longer lasting OCM EW/IW systems.

The contractor shall develop and implement thermal and structural computer simulations and models to evaluate Advanced EW/IW performance. The contractor shall exercise these simulations and deliver the results, along with conclusions and recommendations.

The contractor shall analyze and evaluate design approaches as they are selected by the COR, and recommend alternative designs and potential hardware sources.

3.4 Advanced Techniques Development and Evaluation

The contractor shall provide engineering design and evaluation support for the development of advanced ECM modulations, techniques and brassboard devices. As there are several other contractors involved in hardware development of the advanced EW/IW subsystems, and numerous Navy, Air Force and Army laboratories involved in the evaluation of advanced EW/IW effectiveness, the contractor shall provide development, test and evaluation support for these techniques and devices at NRL, and other DOD and contractor test sites.

The contractor shall analyze and evaluate improved operational designs and techniques relating to development of more user-friendly advanced EW/IW systems. The tasks may also require use of interactive computer graphics, data base

management techniques, Navy and Air Force sensor capabilities, ELINT signal processing, inter-systems communications, and numerical analysis.

3.5 Production Engineering and Technical Support

The contractor shall provide production engineering and technical support for Electronic Warfare and Information Warfare programs.

The contractor support shall include, but not be limited to, the evaluation and documentation of EW/IW hardware, software, and systems production costs and recommended actions on manufacturing and production problems. The contractor shall review the programmatic impact of production engineering changes, waivers and deviations on procurement, and provide technical evaluation to address EW/IW intelligence production capabilities, as well as production operations, processes, EW/IW system integration and concept of operations.

The contractor shall provide program analysis and planning to assess Navy requirements in the area of both EW and IW, including support for other sponsors pertaining to the development, planning, production and fielding of EW/IW capabilities relating to both hardware and software.

The contractor shall review Navy and other services technical and programmatic EW/IW documentation for operational feasibility, effectiveness, and interoperability. The contractor shall produce draft policy, instructions, and technical support papers in support of sponsor and programmatic requirements.

3.6 Countermeasures Design and Development

The contractor shall provide engineering and hardware design for the development of OCM deployment systems and devices; participate in design reviews of countermeasure hardware and equipment; and deliver independent evaluations of these reviews.

The contractor shall provide RF countermeasure analysis for advanced ECM concepts and proposals and circuit design and fabrication of these concepts.

The contractor shall provide design, fabrication, and integration efforts for the upgrade and improvement of the Transportable Step Frequency Radar (TSFR) system. These efforts will include the integration of millimeter wave capability, integration of an improved pedestal, and the integration of a fast switching signal generator source. The contractor shall be responsible for the calibration, analysis and evaluation of the upgraded system, and for provide an independent evaluation of the results.

The contractor shall provide engineering specifications and designs; fabricate and assemble specialized laboratory hardware; analyze and evaluate test results; and prepare independent test reports on the results of these efforts.

3.7 Offboard Countermeasures Test and Evaluation

The contractor shall provide designs and specifications for the development and fabrication of test measurement systems for the field-testing of offboard countermeasures. The contractor shall investigate accuracy requirements for these systems, research sources and availability of off-the-shelf equipment, conduct trade-offs, and recommend optimized systems. The contractor shall also provide engineering support for operation and maintenance of the TSFR system; and design, fabricate, and control software (if required) for brassboard and interface hardware so as to demonstrate feasibility of test measurement configurations and equipment.

The contractor shall provide developmental offboard countermeasures field test planning; deliver technical analysis and evaluation during the field testing of active and passive offboard countermeasures; participate in test planning, preparation, set-up, and recovery; and operate test equipment, data recording equipment, and process and evaluate the data collected:

The contractor shall review program test plans and schedules, determine the test instrumentation required to support the test; research availability of components and test support equipment; and obtain the components and test support equipment either through purchase, lease or modification of existing equipment as required to support the conduct the test.

3.8 Offboard Countermeasures Simulation and Modeling

The contractor shall provide computer simulations to evaluate candidate design improvements and deployment techniques for offboard countermeasures. The contractor shall modify and/or develop and code computer simulations in order to obtain realistic and detailed evaluations of deployment scenarios, and develop and code computer simulations, as necessary, to evaluate candidate system effectiveness, considering both electronic payload and delivery platform effects.

3.9 Engineering Design, Fabrication, and Evaluation

The contractor shall provide engineering design, fabrication, analysis, and evaluation support in the electronic development and testing of advanced EW systems. This shall include support for existing systems, as well advanced concepts and Pre-planned Product Improvement (P3I) efforts.

The contractor shall design develop, fabricate, and assemble electronic and RF brassboard hardware and conduct prototype tests to demonstrate and evaluate improved electronic performance for possible incorporation into future advanced EW systems.

The contractor shall design, develop, fabricate, and assemble test support hardware and fixtures to evaluate improved EW system performance.

The contractor shall analyze and evaluate design approaches as they are selected by the COR, and recommend alternative designs and potential hardware sources to implement these designs.

3.10 Systems Integration Support

The contractor shall provide engineering and technical support for the installation and integration of the Advanced EW/ IW systems and subsystems into Navy ships and aircraft.

The contractor shall attend technical and design reviews at other airframe and hardware contractor facilities. The contractor shall review these development and integration demonstrations, and produce an independent evaluation of the proposed design/installation.

The contractor shall develop and deliver constructive recommendations and improvement options for design modifications, field tests, data requirements, logistics, costs and schedules associated with integration into these Navy ship and aircraft types.

The contractor shall analyze and evaluate improved EW/IW integration designs and requirements relating to development of more adaptable OCM EW/IW systems.

3.11 Systems/Subsystems Test Support

The contractor shall provide technical field test support for advanced developmental and operational EW/IW systems. The contractor shall support NRL and other DOD activities in determining the systems, personnel, logistics, specialized test equipment and facilities required to support these field tests of advanced EW/IW systems. The contractor shall participate in test planning, preparation, set-up, and recovery of test devices. The contractor shall assist in the assembly and operation of specialized test equipment, data recording equipment, and in the processing and evaluation of data collected from numerous developmental tests including wind tunnel, static, sled, drone and aircraft launches of EW/IW decoy systems. These tests are necessary to meet Joint Service requirements, and shall be scheduled by the sponsors to coincide with hardware delivery/test schedules.

The contractor shall develop and deliver engineering design, specification, and prototyping of specialized test support equipment. The contractor shall determine test center and contractor requirements, and incorporate these requirements into the system management and milestone plans. The contractor shall provide modification recommendations and engineering design and specification for installation of advanced EW/IW test hardware into Navy ships and aircraft. The contractor shall develop and, where necessary, rent or procure such specialized test and analysis equipment or

components that are necessary to meet test schedules, and are not readily available through normal channels or within the time frame involved.

The contractor shall recommend facilities that may be used to analyze and evaluate improved concepts, designs and requirements relating to development of effective OCM systems.

3.12 Threat/Mission/Effectiveness Analysis

The contractor shall assist NRL and DOD sponsors in the analysis of threat missile and radar systems, analysis of the missions assigned to ships and aircraft that may be programmed to receive the advanced EW/IW systems, and analysis of the effectiveness of the advanced EW/IW systems when tested against a wide range of Free World and CIS threat simulators.

The contractor shall support operational scenario development, along with modeling and simulation of capabilities and effectiveness of advanced EW/IW systems within these scenarios. These efforts shall be used to support a cost/risk analysis of advanced EW/IW systems.

The contractor shall develop and evaluate improved designs and techniques relating to development of more cost effective OCM EW/IW systems.

3.13 Program Management Support

The contractor shall assist in the development and maintenance of requisite advanced EW/IW program documentation for NAVAIR, NAVSEA and other program sponsors.

The contractor shall analyze and evaluate program plans for technical and schedule adequacy and determine whether schedules are realistic, and deliver constructive recommendations on all facets of these development programs.

The contractor shall assist in the development and support of system development/integration plans, schedules, and designs.

The contractor shall prepare test and evaluation program introduction documents, develop component and system test plans, participate in system working meetings with the sponsors and hardware contractors, participate in component and systems test programs, and provide analysis and evaluation results.

The contractor shall draft system interface specifications, system performance specifications, and other required technical documentation for delivery.

The contractor shall provide assistance in the documentation of the advanced EW/IW systems research and development test programs. The contractor shall assist in

the development of program milestone plans and schedules, evaluate availability of personnel and equipment resources, and support the preparation of requisition documentation.

The contractor shall forecast test and analysis requirements, documentation requirements, and other management tools that are required to complete the development program in a cost-effective manner and within program milestones.

4.0 DELIVERABLES

Deliverables resulting from these tasks shall enable the COR to refine preliminary estimates and facilitate a basis for recommendations, alternatives and positions to be taken on advanced EW/IW and associated developmental programs. All reports shall be submitted in specified quantities to the addresses indicated on the attached DD Form 1423.

4.1 Monthly Progress Reports

The contractor shall provide a monthly report that describes the technical and programmatic progress for the previous month, and planning efforts for upcoming or open tasks. This report shall be delivered prior to the 5th day before the end of the month.

4.2 Monthly Cost Status Reports

The contractor shall provide a monthly report that contains the status of contract costs, detailing the previous months expenditures and showing funds remaining on the contract. This report shall be delivered prior to the 5th day before the end of the month.

4.3 Technical Reports

The contractor shall provide reports that describe the details and status of specific supported program technical subtasks such as threat analysis, flight tests, effectiveness tests or fabrication of specialized test equipment as requested by the COR. These reports shall be delivered 30 days after completion of the subtask.

4.4 Program Management Documentation and Reports

The contractor shall provide reports and documents that describe the plans, details and status of specific supported program management subtasks as requested by the COR. These reports shall be delivered 30 days after completion of the subtask.

4.5 Test Hardware

The contractor shall fabricate, procure or rent specialized electronic, aerodynamic and mechanical systems, components and models required to meet test

schedules such as flight testing at other Navy or Air Force facilities. This hardware may consist of specialized test equipment or components required to meet the analysis or flight test tasks described above in a timely manner. Examples of specialized hardware that may be required include, but shall not be limited to, Cockpit Control Units (CCUs) for test aircraft, reel assemblies and other replacement parts for the advanced EW/IW pods, special purpose microprocessors, components, and software drivers for these devices, video or analog recording devices, special tools, fittings or jigs used for assembly or disassembly of decoys, pods etc. The contractor shall deliver a test hardware report that shall include the design specifications, construction details, user instructions, power requirements, and hardware limitations.

4.6 Test Software

The contractor shall design and develop, procure or rent specialized software used for the collection, analysis, and display of EW/IW data required to meet COR and sponsor required programmatic and test schedules. In some cases, this software may require the development or purchase of specialized hardware associated with the collection, analysis and display of this data. An example of specialized software that may be required include, but shall not be limited to, databases, multimedia, and compilers. The contractor shall deliver a test software report that shall include the design specifications, programming details, user instructions, and system hardware requirements.

4.7 Final Report

The contractor shall deliver a final report. This report shall be submitted not later than 30 days after completion of the contract. This report shall summarize the tasks undertaken, progress on those tasks, open action items, and recommendations for efforts under any follow-up contract.

CONTRACT DATA REQUIREMENTS LIST

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The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0002/0004/0006/0008/0010		B. EXHIBIT "A"		C. CATEGORY: TDP XXX TM- OTHER		
D. SYSTEM / ITEM		E. CONTRACT / PR NO. 57-1155-01		F. CONTRACTOR		
1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM Monthly Progress Report			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW 4.1		6. REQUIRING OFFICE NRL		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION 30DAC	14. DISTRIBUTION		
8. APP CODE N/A	N/A	11. AS OF DATE 5th	13. DATE OF SUBSEQUENT SUBMISSION NLT 35 DAYS	a. ADDRESSEE	b. COPIES	
16. REMARKS				COR	Draft	Final
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15. TOTAL →				2		
1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Monthly Cost Status Report			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW 4.2		6. REQUIRING OFFICE NRL		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION 30DAC	14. DISTRIBUTION		
8. APP CODE N/A	N/A	11. AS OF DATE 5th	13. DATE OF SUBSEQUENT SUBMISSION NLT 35 DAYS	a. ADDRESSEE	b. COPIES	
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1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Technical Reports			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW 4.3		6. REQUIRING OFFICE NRL		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ.	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE N/A	N/A	11. AS OF DATE See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES	
16. REMARKS 30 Days after completion of Sub Task.				COR	Draft	Final
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1. DATA ITEM NO. A004	2. TITLE OF DATA ITEM Program Management Reports			3. SUBTITLE		
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE SOW 4.4		6. REQUIRING OFFICE		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ.	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Blk 16	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES	
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4. AUTHORITY (Data Acquisition Document No.)				5. CONTRACT REFERENCE SOW 4.5		6. REQUIRING OFFICE NRL																																						
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A. CONTRACT LINE ITEM NO. 0002/0004/0006/0008/0010		B. EXHIBIT A	C. CATEGORY: TDP XXX TM OTHER F				
D. SYSTEM / ITEM		E. CONTRACT / PR NO. 57-1155-01		F. CONTRACTOR			
1. DATA ITEM NO. A008	2. TITLE OF DATA ITEM Contractor On-Site Labor Report		3. SUBTITLE				
4. AUTHORITY (Data Acquisition Document No.) N/A		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NRL CODE 5713			
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED N/A	10. FREQUENCY MNTLY	12. DATE OF FIRST SUBMISSION 30 DAC				
8. APP CODE N/A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION NLT 35 Days				
16. REMARKS The Contractor shall deliver the On-Site Labor Report no later than five (5) days after the end of each reporting month. The report must include as a minimum the following data: Reporting Period: Contract Number (and Order Number, if applicable): Contract Value: Current Funding: Amount Expended in Current Period: Total Expended to Date: Date Submitted: Labor (including subcontractors) - Show employee name, number of hours, and total amount billed for contractor employees working on-site at NRL. If the contractor employees worked on multiple tasks (as defined by the COR), the numbers of hours worked on each task must be shown separately.			14. DISTRIBUTION				
			a. ADDRESSEE	b. COPIES			
			COR	Draft	Reg	Final	
			AO CODE	0	1	0	
				0	1	0	
			15. TOTAL →				
			G. PREPARED BY Code 5713		H. DATE 1 Oct 2001	I. APPROVED BY	
							J. DATE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

PERSONNEL QUALIFICATIONS

The contractor shall be capable of providing personnel as needed by the COR according to Sponsor and Program level-of-effort requirements in the following labor categories, with experience as indicated.

1. Senior Electronic Engineer I - Must have a Bachelors degree in Electronic Engineering with a minimum of fifteen (15) years experience, and extensive management background in Active Radio Frequency (RF) Electronic Warfare (EW) systems development programs. Experience with computer simulations and OffLoad Countermeasures systems desired. Must be qualified for SBI/SCI security clearance, or currently active clearance required. SEE NOTE 1 and 2.
2. Senior Electronic Engineer II - Must have a Bachelors degree in Electronic Engineering with a minimum of fifteen (15) years experience with extensive experience in active and passive Radio Frequency (RF) Electronic Warfare (EW) systems and equipment development programs. Experience with RCS measurement systems required. Experience with computer simulations and offLoad countermeasure systems desired. Must be qualified for TOP SECRET/SCI security clearance, or currently active clearance required. SEE NOTE 1.
3. Electronic Engineer - Must have a Bachelors degree in Electronic Engineering with a minimum of five (5) years experience with digital, RF and High Voltage circuits and equipment. Experience with computer simulations, EW and/or radar systems desired. SECRET clearance required. SEE NOTE 1.
4. Senior Aerospace Engineer - Must have a Bachelors degree in Aeronautical Engineering with a minimum of fifteen (15) years experience with aircraft and/or drone systems development, integration and testing. Requires extensive management background in small aerodynamic vehicle development programs. Experience with Offboard Countermeasures systems desired. Qualified for SBI/SCI security clearance or currently active clearance required. SEE NOTE 1 and 2.
5. Aerospace Engineer I - Must have a Bachelors degree in Aeronautical Engineering with a minimum of five (5) years experience in design, development and testing of aircraft and/or drone systems. Experience with small supersonic aerodynamic vehicles desired. SECRET clearance required. SEE NOTE 1.
6. Aerospace Engineer II - Must have a Bachelors degree in Mechanical/Aeronautical Engineering or equivalent experience. Responsible for the conceptualization, design, research, development, and testing of small, unmanned aircraft and rockets for use of offLoad countermeasures vehicles. Responsible for investigations into aerodynamic performance, flight dynamics, structural mechanics, and overall systems operations of flight vehicles and support equipment. Analytic efforts will include six-degree-of- freedom and stability/control simulations of unusual aircraft configurations for the purposes of determining transient and steady-state characteristics during all flight phases, vehicle

stability at varying flight conditions, and handling characteristics during all flight phases, vehicle stability at varying flight conditions, and handling characteristics during flight.

7. Mechanical Engineer - Must have a Bachelors degree in Mechanical Engineering with a minimum of five (5) years experience in design, development and testing of electromechanical devices for use on ship, aircraft and/or drone systems. SECRET clearance required. SEE NOTE 1.

8. Military Systems Analyst - Must have a Bachelors degree in a technical field (EW/Avionics preferred) or equivalent operational experience. Minimum of five (5) years operational experience in Navy EW-related squadrons or organizations, and minimum of 5 years programmatic experience in Navy EW/IW related acquisition programs. Qualified for SBI/SCI security clearance or currently active clearance required. SEE NOTE 1.

9. Program Management Specialist - Must have a combination of education and experience equivalent to a Bachelors degree in Engineering Management with a minimum of 10 years experience in the management of research, development and testing of military EW systems. Must have recent experience in support of DOD program management and budgeting cycle. Shall be able to develop and maintain essential program documentation and to document and report on the results of efforts to the COR. SECRET clearance required. SEE NOTE 1.

10. Systems Engineer/Analyst - Must have a BS or equivalent in a technical area. Minimum of 10 years combined experience in the analysis, evaluation, and fusion of tactical information. Shall be proficient in systems evaluation, design, and integration. Knowledge of U.S. Navy ship and aircraft defense systems is required. Shall be able to develop and maintain essential program documentation and to document and report on the results of efforts to the COR. SECRET clearance required. SEE NOTE 1.

11. Computer/Network Specialist - Must have a Bachelors degree in computer science, engineering, math, or physics with a minimum of two (2) years experience in computer operations and computer networks. Must be able to provide computer hardware maintenance, software maintenance, and software design. CNE certification highly desirable. Should be thoroughly familiar with operations on LANs/WANs using IBM PC, SUN Workstation, and/or Silicon Graphics Workstation hardware. Should possess experience in software development using UNIX and C. SECRET clearance required. SEE NOTE 1.

12. Senior Computer Scientist/Engineer - Must have a Bachelors degree in Computer Science, Computer Engineering, or Electrical Engineering, and a minimum of ten (10) years experience in software design and development. Programming experience in FORTRAN, VME, C, and UNIX environments highly desirable. Shall be able to identify, isolate, and solve system level software problems. Shall have the ability to design, implement, and maintain large relational databases, and shall be proficient in Data Base Management Systems. Computer graphics based man-machine interface development experience is highly desirable. Qualified for TOP SECRET/SCI security clearance or currently active clearance required. SEE NOTE 1.

13. Computer Scientist/Engineer - Must have a Bachelors degree in Computer Science, Computer Engineering, or Electrical Engineering. Requires a minimum of two (2) years experience in software development in VME, C, and UNIX environments. Shall be able to identify, isolate, and solve system level software problems. Shall have the ability to design, implement, and maintain large relational databases, and shall be proficient in the use of Data Base Management Systems. Computer graphics based man-machine interface development experience is highly desirable. Must qualify for SBI/SCI security clearance or currently active clearance required. SEE NOTE 1.

14. Electronic Technician - Must have five (5) years minimum experience in electronics, with experience in RF systems design, digital systems design, High and Low voltage power supplies. SECRET clearance required. SEE NOTE 1.

15. Project Technician - Must have a minimum of five (5) years experience with maintenance, operation and modification of electronic and mechanical systems. SECRET clearance required. SEE NOTE 1.

16. Aerospace Engineering Technician – Must have a minimum of five (5) years experience in aerospace engineering. Participates in the design and development of new aircraft and in resolving conceptual design issues. He/she must be able to understand the overall design requirements, analyze problems with the design, and determine and implement solutions. The technician will assist in the development of test hardware such as wind tunnel models, test fixtures, and flight test vehicles. The majority of the technician's time will be devoted to the fabrication of flight test vehicles, wind tunnel models, and other hardware as required to meet project needs, using established aerospace fabrication techniques. The incumbent will also apply advanced composite material technology as required to meet design goals. The technician will be capable of analyzing problems with the hardware design and recommend and implement solutions. The technician will assist in the integration of avionics, payloads, propulsion systems, and flight test instrumentation to these vehicles.

17. IT Professional / Computer Programmer – Must have a Bachelors degree or equivalent experience. Position requires personnel skilled in the development of software code (primarily C+ and C++) and the application of that code to real-world hardware projects. The predominance of work will pertain to the development of autopilot and autonomous systems related to unmanned air vehicles. The position also requires knowledge and skill in the programming and application of micro-controller systems.

NOTES:

1) Due to the sensitive nature of these developmental programs, all personnel proposed for this contract effort must be U.S. citizens with at least the security clearances listed. As hardware development and testing of these systems takes place at a wide range of Government and contractor facilities, personnel proposed must be willing to travel at least one (1) week per month in support of these activities.

2) As hardware being developed for a number of these programs is intended for installation on a wide range of tactical and strategic fighter/bomber aircraft, one or both of the Senior Engineers listed above shall have military fighter pilot experience.

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>				1. CLEARANCE AND SAFEGUARDING SER: 011-01 a. FACILITY CLEARANCE REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">TOP SECRET</div> b. LEVEL OF SAFEGUARDING REQUIRED <div style="text-align: center; border: 1px solid black; padding: 2px;">SECRET</div>			
2. THIS SPECIFICATION IS FOR: <i>(X and complete as applicable)</i>				3. THIS SPECIFICATION IS: <i>(X and complete as applicable)</i>			
a. PRIME CONTRACT NUMBER		<input checked="" type="checkbox"/>		a. ORIGINAL <i>(Complete date in all cases)</i>		DATE (YYYYMMDD)	
b. SUBCONTRACT NUMBER				b. REVISED <i>(Supersedes all previous specs)</i>	REVISION NO.	DATE (YYYYMMDD)	
<input checked="" type="checkbox"/> c. SOLICITATION OR OTHER NUMBER 57-1155-01		DUE DATE (YYYYMMDD)		c. FINAL <i>(Complete item 5 in all cases)</i>		DATE (YYYYMMDD)	
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: Classified material received or generated _____ <i>(Preceding Contract Number)</i> is transferred to this follow-on contract.							
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If Yes, complete the following: In response to the contractor's request _____, retention of the classified material is authorized for the period of _____							
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>							
a. NAME, ADDRESS, AND ZIP CODE			b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>		
FOR RFP PURPOSES, NOT VALID FOR ACTUAL CONTRACT AWARD					N/A		
7. SUBCONTRACTOR							
a. NAME, ADDRESS, AND ZIP CODE			b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>		
N/A					N/A		
8. ACTUAL PERFORMANCE							
a. LOCATION			b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>		
N/A					N/A		
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT							
ENGINEERING AND TECHNICAL SUPPORT FOR ELECTRONICS WARFARE DEVELOPMENT PROGRAMS.							
10. CONTRACTOR WILL REQUIRE ACCESS TO:				11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:			
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	YES	NO		a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	YES	NO	
b. RESTRICTED DATA		<input checked="" type="checkbox"/>		b. RECEIVE CLASSIFIED DOCUMENTS ONLY		<input checked="" type="checkbox"/>	
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		<input checked="" type="checkbox"/>		c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	<input checked="" type="checkbox"/>		
d. FORMERLY RESTRICTED DATA		<input checked="" type="checkbox"/>		d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE		<input checked="" type="checkbox"/>	
e. INTELLIGENCE INFORMATION		<input checked="" type="checkbox"/>		e. PERFORM SERVICES ONLY		<input checked="" type="checkbox"/>	
(1) Sensitive Compartmented Information (SCI)	<input checked="" type="checkbox"/>			f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES		<input checked="" type="checkbox"/>	
(2) Non-SCI		<input checked="" type="checkbox"/>		g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	<input checked="" type="checkbox"/>		
f. SPECIAL ACCESS INFORMATION		<input checked="" type="checkbox"/>		h. REQUIRE A COMSEC ACCOUNT		<input checked="" type="checkbox"/>	
g. NATO INFORMATION		<input checked="" type="checkbox"/>		i. HAVE TEMPEST REQUIREMENTS		<input checked="" type="checkbox"/>	
h. FOREIGN GOVERNMENT INFORMATION		<input checked="" type="checkbox"/>		j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS		<input checked="" type="checkbox"/>	
i. LIMITED DISSEMINATION INFORMATION		<input checked="" type="checkbox"/>		k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE		<input checked="" type="checkbox"/>	
j. FOR OFFICIAL USE ONLY INFORMATION		<input checked="" type="checkbox"/>		l. OTHER <i>(Specify)</i>			
k. OTHER <i>(Specify)</i>							

- 12. PUBLIC RELEASE.** Any information (*classified or unclassified*) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall
- ☐ Direct ☒ Through (*Specify*)

COMMANDING OFFICER NAVAL RESEARCH LABORATORY WASHINGTON, DC 20375-5320, CODE 5713.
NO PUBLIC RELEASE OF SCI IS AUTHORIZED.

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)* for review.
*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

- 13. SECURITY GUIDANCE.** The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (*Fill in as appropriate for the classified effort. Attach, or forward under*

Access to classified information is not required for the purpose of submitting a bid/proposal for this statement of work. However, prior to award of contract, the successful contractor will be required to have a TOP SECRET facility clearance, SECRET storage capabilities and personnel eligible for Sensitive Compartmented Information.

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- 14. ADDITIONAL SECURITY REQUIREMENTS.** Requirements, in addition to ISM requirements, are established for this contract. ☐ Yes ☒ No
(If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

- 15. INSPECTIONS.** Elements of this contract are outside the inspection responsibility of the cognizant security office. ☐ Yes ☒ No
(If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

- 16. CERTIFICATION AND SIGNATURE.** Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL TINA SMALLWOOD	b. TITLE CONTRACTING OFFICER, SECURITY	c. TELEPHONE (Include Area Code) (202)767-2240/2521
d. ADDRESS (Include Zip Code) NAVAL RESEARCH LABORATORY 4555 OVERLOOK AVE., SW WASHINGTON, DC 20375-5320	17. REQUIRED DISTRIBUTION <input checked="" type="checkbox"/> a. CONTRACTOR <input type="checkbox"/> b. SUBCONTRACTOR <input checked="" type="checkbox"/> c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR <input type="checkbox"/> d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION <input type="checkbox"/> e. ADMINISTRATIVE CONTRACTING OFFICER <input checked="" type="checkbox"/> f. OTHERS AS NECESSARY 1221.1, 5713, 1223, ONI-532	
e. SIGNATURE 		